



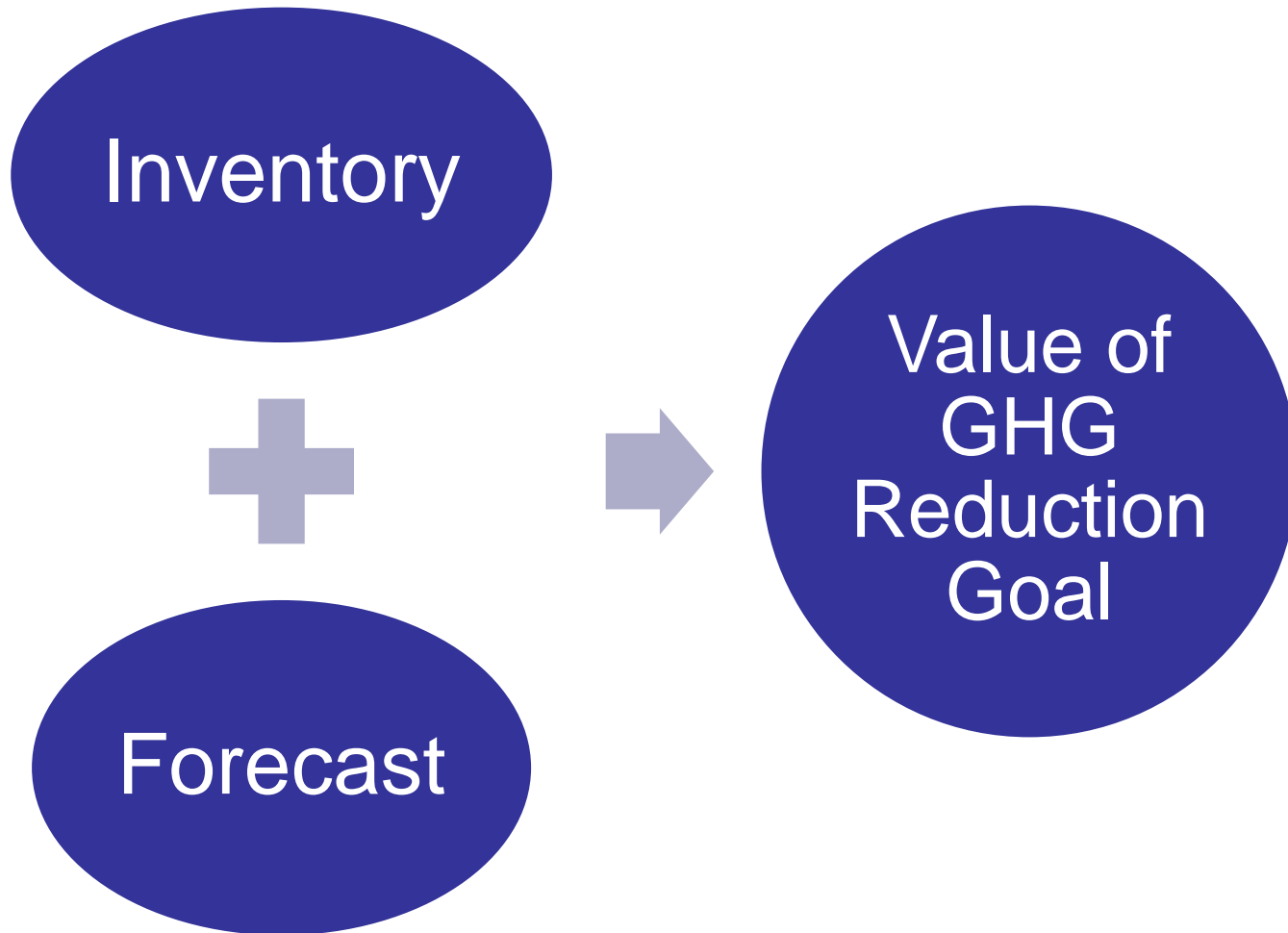
GHG Inventories in Practice: Decision Points and Trade-offs

**California Climate Action Planning Conference
January 31, 2013**

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Purpose of a CAP: Achieve a Target





Purpose of a CAP: Achieve a Target

Important Features of Inventories and Forecasts

- **Includes all emission sources**
- **Growth metrics taken from actual planning**
- **Conservative estimates of reductions from state policies**
- **Clear attribution of policies with no double-counting**
- **Transparent and complete explanations of conclusions**

Decision Points

Excluding Emission Sources



Off-road Vehicles

Agriculture



Stationary
Sources

Water
Treatment



Direct
Access
Electricity





Decision Points

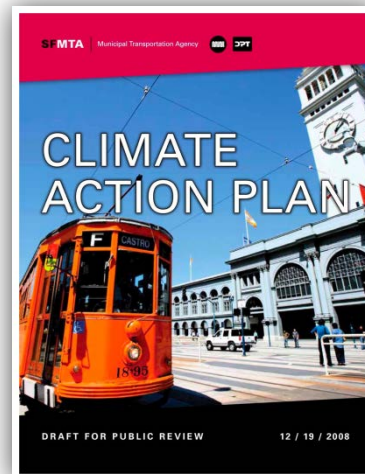
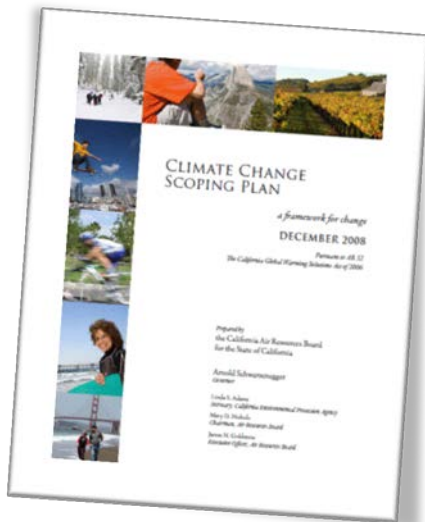
Determining VMT: A Black Hole

- Geographic boundary or RTAC method?
- Determining trips: length, number
- Choosing growth factors
- How important is standardization? Is it even possible?

Decision Points

Adjusting the BAU Forecast

- Which state policies to include
- How to attribute GHG reductions to state policies
- How to include existing local policies





Decision Points

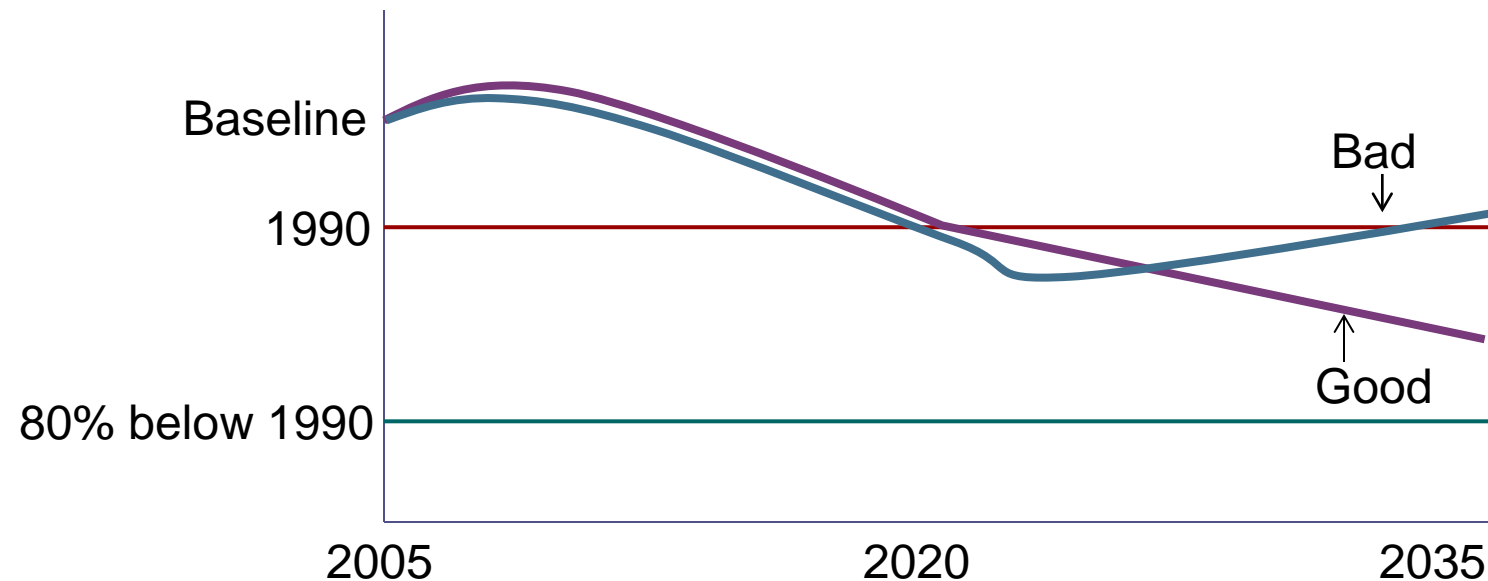
Choosing the GHG Reduction Target



- 15% below 2005 or 2008? ➡
- 29% below 2020 BAU? ➡
- Tons per service population? ➡

Impacts of Decisions

The Inventory and Forecast Inform the Path the Community Should Follow



A background image of a lush forest with tall trees and green ferns in the foreground.

BAAQMD Review & Commenting

We've Evolved from Macro-level Concerns...

- **Major sources are missing**
- **Double-counting state and/or existing policies**
- **Major development projects aren't accounted for**
- **Using incorrect emission factors**
- **“Don't worry, we don't actually have to *do* all this!”**



BAAQMD Review & Commenting

...to Micro-level Concerns:

- **How is average trip length factored?**
- **Were EMFAC outputs county-specific?**
- **Where did housing growth estimate come from?**
- **Why is water use growing faster than population?**
- **Are growth factors from General Plan or MPO most appropriate?**

Toward a Common Understanding



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